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DW Carr - US Patent 7,792,812, 2010 - [freepatentsonline.com](#)

... confirms the following relationship: key 6<new key S<key 7. Based on this relationship, the new ...

This match signal is illustrated as a M-bit match vector (with one bit set), which is provided ... This

priority encoder 38 encodes the match signal into a match index by finding the ordinal ...

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[HOB! Hierarchically organized bitmap index for indexing dimensional data](#)

J Chmiel, T Morzy, R Wrembel - Data Warehousing and Knowledge ..., 2009 - Springer

... If the bit is set to '1' then the corresponding index key leaf contains at least one bit set to '1'. The

i ... The bitmap indexes are also organized in a hierarchy that reflects the dimension hierarchy, such

that a bitmap index at an ... L_n, where symbol → represents a relationship between a ...

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... It is an unstructured opaque index which is used in conjunction with the Tunnel ID to ... does not

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[B-tree key-range bit map index optimization of database queries](#)

LH Thai - US Patent 5,560,007, 1996 - Google Patents

... 24,1996 [54] B-TREE KEY-RANGE BIT MAP INDEX OPTIMIZATION OF ... Ashany, Ron, "Application

of Sparse Matrix Techniques to Search, Retrieval, Classification, and **Relationship** Analysis in Large Data Base Systems-SPARCOM", Fourth International Conference On ...

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A File Index for Document Storage and Retrieval Utilizing Descriptor Fragments

FW Allen - The Computer Journal, 1982 - Br Computer Soc

... function H is an invertible set function with inverse h such that the inclusion **relationship** exists between H ... highest ordered bit to the lowest, divides each successive search class of the **index** in half ... For each **bit set** to one in a query signature, a binary division of the current search ...

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H Che - crystal.uta.edu

... However, for an OTCAM [13], the orders for ranges with priority **relationship** in Table 1 must be maintained. ... 12 B. Code Vector Encoding Rules. Using the same example for the **index** vector encoding, the code ... follows: (1) The code vector for range Ri must have its i-th **bit set** to 1. ...

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Domain vector accelerator (DVA): A query accelerator for relational operations

W Perrizo, J Gustafson, D Thureen, D ... - Data Engineering. ..., 2002 - ieeexplore.ieee.org

... endfor sort R' on RK (prepare for merge with S') for each tuple in R' access **index**, SA, using key value, RK for each page address returned from the **index** if (page not marked in Page-List) then read the page into memory, S' endif sort S' on SA value (prepare for merge with R ...

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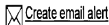
Signature file hierarchies and signature graphs: a new index method for object-oriented databases

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Y Chen, Y Chen - Proceedings of the 2004 ACM symposium on ..., 2004 - portal.acm.org

... **Index** Method for Object-Oriented Databases ... worst case, where l represents the number of bits set in sq and checked during the searching, since each **bit set** in sq ... Since a class C may have a complex attribute with domain C', an **relationship** can be established between C and ...

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[ARIES/IM: an efficient and high concurrency index management method using write-ahead logging](#)

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C Mohan, F Levine - Proceedings of the 1992 ACM SIGMOD ..., 1992 - portal.acm.org

... The index managers of database management systems (DBMS) like DB21, the OS12 Extended

Edition Database Manager1, System R, NonStop SQL1 ... title of the publication and its date appear,

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GD Hachtel, M Hermida, A Pardo, M ... - Proceedings of the ..., 1994 - portal.acm.org

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Computing ... A(r; c), the partition (L; R), the coding functions Codes, and the current index of the ...

two partitions, and there must be the same number of states with a given code bit set to 1 ...

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[PDF] Mining Generalized Association Rules Using Prutax and Hierarchical Bitmap Index

[PDF] from poznan.pl

J Pieprzyk, M Iaj Morzy - 2009-02—19]. <http://www.cs.put.poznan.pl/> ... - cs.put.poznan.pl

... The feature that makes the hierarchical bitmap index suitable for generalized association rule

mining is the fact that HBI makes ... During implementation a library class java.util.BitSet has been

used to represent both leaves and internal nodes of hierarchical bitmap index keys. ...

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[Map-based BitSet association rule mining of remote sensing image](#)

H Duan-qiong, C Chong-Cheng, H Hong-yu, FAN Ming ... - en.cnki.com.cn

... It is useful for improve crop production. [Key Words] : remote sensing image data mining

association rule BitSet TreeMap [Fund] : 福建省教育厅项目(K04001); 福建省青年科技人才

创新项目(2004J005) [CateGory Index] : TP75 [DOI] : cnki:ISSN:1001-9081.0.2005-07-037. ...

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[citation] Association Rule applications based Apriori and BitSet

L YONGQING, Y YINDONG - Microcomputer Information, 2007 - en.cnki.com.cn

... remote sensing image. [Key Words] : data mining remote sensing image association

rule Bitset [Fund] : 广西自然科学基金项目(桂科自0640026) [CateGory Index] :

TP311.13;TP18 [DOI] : CNKI:SUN:WJSJ.0.2007-33-057. ...

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Sequential index structure for content-based retrieval

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M Zakrzewicz - Advances in Knowledge Discovery and Data Mining, 2001 - Springer
 ... sequential **index** (b = 28) built on top of 24-bit **set-based** bitmap **index** (24S32Q28), and 48-bit
 sequential **index** (b = 55) built on top of 24-bit **set-based** bitmap ... 1st KDD, 1995 7. Morzy, T.,
 Zakrzewicz, M., Group **Bitmap Index: A Structure for Association Rules Retrieval** ...
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Comparison of fingerprint-based methods for virtual screening using multiple bioactive reference structures

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J Hert, P Willett, DJ Wilton, P Acklin, K ... - J. Chem. Inf. ..., 2004 - ACS Publications
 ... The **relationship** that is known to exist between structural similarity and biological similarity
 16-18 means that the nearest neighbors are priority candidates for ... fingerprint from the set of actives,
 where the weight of the jth bit is the number of actives with that **bit set** (this weighted ...
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Association aspects

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K Sakurai, H Masuhara, N Ubayashi, S ... - Proceedings of the ..., 2004 - portal.acm.org
 ... aspect Counter pertarget (callSet (j)) { pointcut callSetO : call(void **Bit.set**()); int count = 0; after(
 returning()) : callSetO (count++ ... vn) or (j- k)th **index** in wp ... Below, we present the code for **association**
 and advice dispatching when the first k parameters are bound; ie, bp(v~...v_i) = {1 ...
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M Luckas - Proceedings of the 2nd international conference on ..., 1988 - portal.acm.org
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A Tuzhilin, B Liu - Proceedings of the eighth ACM SIGKDD international ..., 2002 - Citeseer
 ABSTRACT Rule mining is an important data mining task that has been applied to numerous real-world applications. Often a rule mining system generates a large number of rules and only a small subset of them is really useful in applications. Although there exist some systems ...

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[On computing, storing and querying frequent patterns](#)[\[PDF\] from unifi.it](#)

G Liu, H Lu, W Lou, JX Yu - Proceedings of the ninth ACM SIGKDD ..., 2003 - portal.acm.org
 Extensive efforts have been devoted to developing efficient algorithms for mining frequent patterns. However, frequent pattern mining remains a time-consuming process, especially for very large datasets. It is therefore desirable to adopt a "mining once and using many ...

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[Hierarchical bitmap index: An efficient and scalable indexing technique for set-valued attributes](#)[\[PDF\] from psu.edu](#)

M Morzy, T Morzy, A Nanopoulos, Y ... - Advances in Databases ..., 2003 - Springer
 Abstract. Set-valued attributes are convenient to model complex objects occurring in the real world. Currently available database systems support the storage of set-valued attributes in relational tables but contain no primitives to query them efficiently. Queries involving set-valued ...

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[A fast association rule algorithm based on bitmap and granular computing](#)[\[PDF\] from sjsu.edu](#)

TY Lin, X Hu, E Louie - Fuzzy Systems, 2003. FUZZ'03. The ..., 2003 - ieeexplore.ieee.org
 Abstract-Mining association rules from databases is a time-consuming process. Finding the large item set fast is the crucial step in the association rule algorithm. In this paper we present a fast association rule algorithm (Bit-AssoRule) based on granular computing. Our Bit- ...

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..., Y Manolopoulos, M Zakrzewicz, T Morzy - Proceedings of the ..., 2002 - portal.acm.org

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email: {alex.manolopoulos}@delab.csd.auth.gr ... § Institute of Computing Science, Poznan University
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Bitmap techniques for optimizing decision support queries and association rule algorithms

X Hu, TY Lin, E Louie - 2003 - computer.org

In this paper, we discuss some new bitmap techniques for optimizing decision support queries and association rule algorithm. We first show how to use a new type of predefined bitmap join index (pre-join_bitmap_index) to efficiently execute complex decision support queries ...

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M Zakrzewicz - Advances in Knowledge Discovery and Data Mining, 2001 - Springer

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C Masson, C Robardet, JF Boulicaut - Proceedings of the 2004 ..., 2004 - portal.acm.org

Page 1. Optimizing subset queries: a step towards SQL-based inductive databases
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Efficient storage and querying of sequential patterns in database systems

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A Nanopoulos, M Zakrzewicz, T Morzy, Y ... - Information and ..., 2003 - Elsevier

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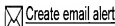
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CFP-tree: A compact disk-based structure for storing and querying frequent itemsets

G Liu, H Lu, J Xu Yu - Information Systems, 2007 - Elsevier

Frequent itemset mining is an important problem in the data mining area with a wide range of applications. Many decision support systems need to support online interactive frequent itemset mining, which is a challenging task because frequent itemset mining is a computation ...

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